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HEALTH AND SAFETY PLAN FORM*This document is for the use of***TN & ASSOCIATES****TN&Associates Health and Safety Program***use of TN&A associates its subcontractors and EPA***Site Name Carter Coat**

PROJECT NAME Carter Coat
PROJECT# S05 0709 001
LOCATION 6051 Hastings Street
 Detroit Michigan

DATE _____
CLIENT _____
EPA CONTACT/PHONE # _____
LOCAL/SITE CONTACT PHONE # _____

U S EPA
 Jeff Kimble Non-Responsive
 NA

INCIDENT DESCRIPTION

U S EPA has requested START to perform a Site Assessment at the Carter Coat property in anticipation of a Removal Action

SOURCE OF PRELIMINARY

INFORMATION Michigan Dept of Environmental Quality

ANTICIPATED TASKS

(e.g. collect surface soil samples)

(1) Document Site Condition (2) Collect Surface Soil Sample (3) Field test waste streams previously identified by MDEQ (4) Collect Samples of waste streams for analysis (5) Collect wipe samples of concrete for PCB analysis (6) use a hand drill or hammer and chisel to collect wood samples

TYPE *One or as many as applicable*

Active	<input type="checkbox"/>	Landfill	<input type="checkbox"/>	Spill	<input type="checkbox"/>
Inactive	<input checked="" type="checkbox"/>	Uncontrolled	<input type="checkbox"/>	Fire	<input type="checkbox"/>
Secure	<input checked="" type="checkbox"/>	Industrial	<input checked="" type="checkbox"/>	Military	<input type="checkbox"/>
Unsecure	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	Unknown	<input type="checkbox"/>
Enclosed space	<input type="checkbox"/>	Well Field	<input type="checkbox"/>	Other (specify)	<input type="checkbox"/>

DESCRIPTION AND FEATURES

include principal operations and unusual features (containers buildings dikes power lines hill slopes rivers et al)

A Large six story building covers one half of the property the rest of the property was primarily used for parking There are two USTs (gasoline) located on the outside of the building The floor is mostly concrete however wood block flooring is present on all six stories Access to the property is restricted via fencing

SURROUNDING POPULATION

☒ Residential ☒ Industrial ☒ Commercial ☐ Rural ☒ Urban ☐ Other

HEALTH AND SAFETY PLAN FORM			<i>This document is for the exclusive use of TN&Associates its subcontractors and EPA</i>			TN & ASSOCIATES				
TN & Associates Health and Safety Program						Site Name Carter Coat				
HISTORY <i>Summarize conditions that relate to hazard. Include: tank compartments, spills, previous investigations, release of material, non-injury, etc.</i> General Motors Corporation operated the facility between 1919 and 1984. GMC generated halogenated and non halogenated spent solvents, spent plating wastes, ignitable and corrosive waste at this location. Between 1985 and 1990 the facility was owned by Cameo Color Coat Inc. and the property transferred to Carter Color Coat in 1990 until they declared bankruptcy in 1993. GMC conducted a removal action at the property in the early 1990s removing paints and other hazardous materials from the property. MDEQ and their contractor conducted a site assessment of the property in April and June of 2004 and proceeded to obtain bids for clean up until State funding issues forced MDEQ to request assistance from U.S. EPA. MDEQ had consolidated, sampled and overpacked almost all waste streams. The only material that is not in overpacks is materials in vats; however analytical was performed on the material. A full asbestos survey was done on the facility and identified asbestos containing material. In addition baseline air samples for asbestos were collected and all sample results were all less than applicable regulations for respiratory protection (0.1 f/cc [OSHA], 0.05 f/cc [Michigan Dept of Labor] and 0.05 f/cc [US EPA AHERA 40 CFR part 763].										
WASTE TYPES <input checked="" type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid <input checked="" type="checkbox"/> Sludge <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Unknown <input type="checkbox"/> Other			WASTE CHARACTERISTICS <i>Check all that apply as applicable</i>						WORK ZONES <i>Describe the Exclusion, Containment, Reduction and Surveillance Zones in terms of the perimeter of the site</i>	
<input checked="" type="checkbox"/> Corrosive <input checked="" type="checkbox"/> Flammable <input type="checkbox"/> Radioactive <input checked="" type="checkbox"/> Toxic <input type="checkbox"/> Volatile <input type="checkbox"/> Reactive <input type="checkbox"/> Inert Gas <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Other Specify: <u>PCB</u>									START will be collecting samples from all areas of the building and outside property.	
HAZARDS OF CONCERN				FACILITY'S PAST AND PRESENT DISPOSAL METHODS AND PRACTICES						
<input type="checkbox"/> Heat Stress <i>attach guidelines</i> <input type="checkbox"/> Noise <input checked="" type="checkbox"/> Cold Stress <i>attach guidelines</i> <input checked="" type="checkbox"/> Inorganic Chemicals <input type="checkbox"/> Explosive/Flammable <input type="checkbox"/> Organic Chemicals <input type="checkbox"/> Oxygen Deficient <input type="checkbox"/> Motorized Traffic <input type="checkbox"/> Radiological <input type="checkbox"/> Heavy Machinery <input type="checkbox"/> Biological <input checked="" type="checkbox"/> Slips, Trips & Falls <input checked="" type="checkbox"/> Other Specify: <u>Hand tools</u>				It is unknown what the past disposal practices were at the facility. Under Carter Coat, MDEQ identified the facility as a conditionally exempt small quantity generator of hazardous wastes.						

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TN&Associates Health and Safety Program				Site Name: Carter Coat	
HAZARDOUS MATERIAL SUMMARY <i>Circle waste type and estimate amounts by category</i>					
CHEMICALS <i>Amount/Units</i>	SOLIDS <i>Amount/Units</i>	SLUDGES <i>Amount/Unit</i>	SOLVENTS <i>Amount/Unit</i>	OILS <i>Amount/Unit</i>	OTHER <i>Amount/Units</i>
Acids 5 gallons	Asbestos a lot	Paints 600 gallons		Gasoline 6 000 gallons or diesel)	
Caustics 5 gallons	Metals arsenic lead and chromium			PCBs unknown	
OVERALL HAZARD EVALUATION <input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown JUSTIFICATION A full site assessment was performed by MDEQ in 2004. MDEQ had secured the building since then and have made site visits to verify that there has been no changes in conditions. They last visited the site approximately					
FIRE/EXPLOSION POTENTIAL <input type="checkbox"/> High <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Low <input type="checkbox"/> Unknown					
INFORMATION COMPLETE <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Incomplete <input type="checkbox"/> Best Available at Current Time					

HEALTH AND SAFETY PLAN FORM				This document is for the exclusive use of TN&Associates its subcontractors and EPA	TN & ASSOCIATES
TN & Associates Health and Safety Program					Site Name Carter Coat
KNOWN CONTAMINANTS	NIOSH REL (ST if Available) ppm or mg/m ³ (specify)	OSHA PEL (ST if Available) ppm or mg/m ³ (specify)	IDLH ppm or mg/m ³ (specify)	SYMPTOMS & EFFECTS OF ACUTE EXPOSURE	PHOTO IONIZATION POTENTIAL
Arsenic (Inorganic)	Ca C 0.002 mg/m [15 minute]	TWA 0.010 mg/m ³	5 mg/m ³	Ulceration of nose; burn; dermatitis; gastrointestinal disturbance peripheral neuropathy; respiratory irritation; hyperpigmentation of skin [potential occupational carcinogen]	N/A
Lead	TWA 0.050 mg/m ³	TWA 0.050 mg/m ³	100 mg/m ³	Lassitude (weakness); exhaustion; insomnia; facial pallor; anorexia; weight loss; malnutrition; constipation; abdominal pain; icteric anemia; gingival lead line; tremor; paralysis wrist; ankles; encephalopathy; kidney disease; irritation eyes; hypotension	N/A
PCB	Ca TWA 0.001 mg/m ³	TWA 0.5 mg/m ³	5 mg/m ³	Irritation eye; chloracne; liver damage; reproductive effects [potential occupational carcinogen]	N/A
Mercury (Metallic)	Hg Vapor TWA 0.05 mg/m ³ [skin] Other C 0.1 mg/m ³ [skin]	C 0.1 mg/m ³	10 mg/m ³	Irritation eyes; skin; cough; chest pain; dyspnea (breathing difficulty); bronchitis; pneumonitis; tremor; insomnia; irritability; indecision; headache; lassitude (weakness); exhaustion; stomatitis; salivation; gastrointestinal disturbance; anorexia; weight loss; proteinuria; Irritation eyes; skin; nose; throat; burning; sensation in chest; heartache; nausea; lassitude (weakness); exhaustion; restlessness; incoordination; confusion; drowsiness; vomiting; diarrhea; dermatitis; chemical pneumonitis (aspiration liquid)	N/A
Kerosene/Fuel Oil	TWA 100 mg/m ³	None	N/D		N/A
Asbestos	0.1 f/cc	0.1 f/cc	NA	Asbestosis; breathing difficulty; irritation of eyes	NA
Chromium (III)	TWA 0.5 mg/m ³	TWA 0.5 mg/m ³	25 mg/m ³	Irritation eyes; sensitization; dermatitis	Fluorescence vary
NA = Not Available NE = None Established U = Unknown Attach to this plan an MSDS for each chemical you will use at the site S = Soil SW = Surface Water T = Tailings W = Water SD = Spill/Drift A = Air GW = Ground Water SL = Sludge D = Drums OFF = Off Site					

HEALTH AND SAFETY PLAN FORM

TN & Associates Health and Safety Program

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TN & ASSOCIATES

Site Name Carter Coat

Task Description / PPE / Personnel & Responsibilities

(attach additional sheets as necessary)

Task 1	Documentation of site conditions				Type	Hazard Schedule
Description					Non Intrusive	Low
Primary Level	Respiratory _____	Contingency Level D	Respiratory _____			
D	Eyewear Safety Glasses		Eyewear _____			
Modified	Boots Steel Toe Latex Bootie		Boots Steel Toe			
	Gloves Inner		Gloves _____			
PPE	Clothing _____	PPE	Clothing _____			
Task 2	Sample collection (Except USTs)				Type	Hazard Schedule
Description					Non Intrusive	Low
Primary Level	Respiratory _____	Contingency Level C	Respiratory APR	GMC P 100		
D	Eyewear Safety Glasses		Eyewear Safety Glasses			
Modified	Boots Steel Toe Latex Bootie		Boots Steel Toe			
	Gloves Inner		Gloves Inner Nitrile			
PPE	Clothing Tyvek Coverall	PPE	Clothing Tyvek Coverall			
Task 3	UST Sample Collection				Type	Hazard Schedule
Description					Intrusive	Low
Primary Level	Respiratory APR	Contingency Level C	Respiratory APR	GMC P 100		
C	Eyewear Safety Glasses		Eyewear Safety Glasses			
	Boots Steel Toe Latex Bootie		Boots Steel Toe Latex Bootie			
	Gloves Inner		Gloves Inner			
PPE	Clothing Tyvek Coverall	PPE	Clothing Tyvek Coverall			
Task 4					Type	Hazard Schedule
Description						
Primary Level	Respiratory _____	Contingency Level _____	Respiratory _____			
	Eyewear _____		Eyewear _____			
	Boots _____		Boots _____			
	Gloves _____		Gloves _____			
PPE	Clothing _____	PPE	Clothing _____			

PERSONNEL AND RESPONSIBILITIES

Name	Company/Agency	Training	Responsibilities
Stephen Wolfe	TN&A	OSHA 40 Hr	PM SSO Sampler

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Site Name Carter Coat

Monitoring Equipment		Specify by task Indicate type as necessary Attach additional sheets if needed		
Tasks	Instrument	Level	Action Guidelines	Comments
3	Combustible Gas Indicator LEL Multi RAE	D		
Tasks 1 2 3	Instrument Photoionization Detector Multi RAE	D		
Tasks	Instrument	Level	Action Guidelines	Comments
Tasks	Instrument	Level	Action Guidelines	Comments
Tasks	Instrument	Level	Action Guidelines	Comments
Tasks	Instrument	Level	Action Guidelines	Comments

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TN&Associates Health and Safety Program				Site Name Carter Coast	
EMERGENCY CONTACTS Site Telephone NA EPA Release Report # TN& Assoc 24 Hr Emergency # 678 255 5524 Facility Management Other (specify) CHEMTREC Emergency # 1 800 424 9300		EMERGENCY CONTACTS Health and Safety Manager Bill Fink Project Manager Steve Wolfe Site Safety Coordinator Steve Wolfe Client Contact (EPA RPM) Jeff Kimble Other (EPA HRS coordinator) State Agency MDEQ Pat Thornton State Spill Number NA Fire Department 911 or 313 596 2900 Police Department 911 or 313 876 0063 State Police 911 Health Department NA Poison Control Center 800 848 6946 Occupational Physician Dr Jerry Berke Health Resources		<div style="background-color: black; color: white; text-align: center; padding: 10px; font-weight: bold;">Non-Responsive</div>	
CONTINGENCY PLANS <i>Summarize now</i> Contact corporate Health and Safety officer William Fink at 414 234 7845		MEDICAL EMERGENCY Hospital Name Greater Detroit Hospital 313 369 3000 Hospital Address 3105 Carpenter Street Detroit MI Name of Contact at Hospital Name of 24 Hour Ambulance American Ambulance 313 863 2000 Route to Hospital (see attached sheet)		PHONE	
HEALTH AND SAFETY PLAN APPROVALS Prepared by _____ Date _____ DHSC Signature _____ Date _____ HSM Signature _____ Date _____		Distance to Hospital 2.6 miles			

HEALTH AND SAFETY PLAN SIGNATURE FORM

TN & Associates Health and Safety Program

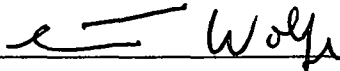
All site personnel must sign this form indicating receipt of the H&SP. Keep this original on site. It becomes part of the permanent project files. Send a copy to the Health and Safety Manager (HSM).

SITE NAME/NUMBER Carter Coat / S05 0709 031

DIVISION/LOCATION T N & Associates Chicago IL

DATE _____

I understand and agree to comply with the provisions of the above referenced H&SP for work activities on this project. I agree to report any injuries, illnesses, or exposure incidents to the site Health and Safety Coordinator (SHSC). I agree to inform the SHSC about any drugs (legal and illegal) that I take within three days of site work.

PRINTED NAME	SIGNATURE	DATE
Stephen Wolfe		12/9/07

HEALTH AND SAFETY PLAN FORM

TN&Associates Health and Safety Program

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TN & ASSOCIATES

Site Name: Carter Court

Non-Responsive

EMERGENCY CONTACTS

Site Telephone: NA
 EPA Release Report #: (78) 55 55 4
 Facility Management
 Other (specify):
 CHEMTREC Emergency #: 1 800 4 4 2300

EMERGENCY CONTACTS

NAME

Health and Safety Manager: Bill Fink
 Project Manager: Steve Wolfe
 Site Safety Coordinator: Steve Wolfe
 Client Contact (EPA RPAI): Jeff Kimble
 Other (EPA HRS coordinator):
 State Agency: MDEQ Pat Thornton
 State Spill Number: NA
 Fire Department: 313 527 3000
 Police Department: 313 870 0000
 State Police: 311
 Health Department: NA
 Poison Control Center: 800 848 6341
 Occupational Physician: Dr. Jerry Berke
 Health Resources: 800 350 4511

CONTINGENCY PLANS

See attached

Contact site Health and Safety officer William Fink at 414 34 7845

MEDICAL EMERGENCY

PHONE

Hospital Name: Greater Detroit Hospital 313 300 0000
 Hospital Address: 3105 Carpenter Street Detroit MI
 Name of Contact at Hospital:
 Name of 24 Hour Ambulance: American Ambulance 313 803 0000
 Route to Hospital: (see attached sheet)

HEALTH AND SAFETY PLAN APPROVALS

Prepared by: _____ Date: _____
 DHS Signature: Don W. Buggs (66 pp on 6) Date: 1/4/2000
 HSM Signature: _____ Date: _____

Distance to Hospital: _____ miles

Directions to Detroit, MI 48212, United States



Summary and Notes

START **6051 Hastings St Detroit MI 48211**
United States

FINISH **3105 Carpenter St Detroit MI 48212**
United States

Total Distance 4.9 miles Total Time
11 mins (approx)

Add your notes here

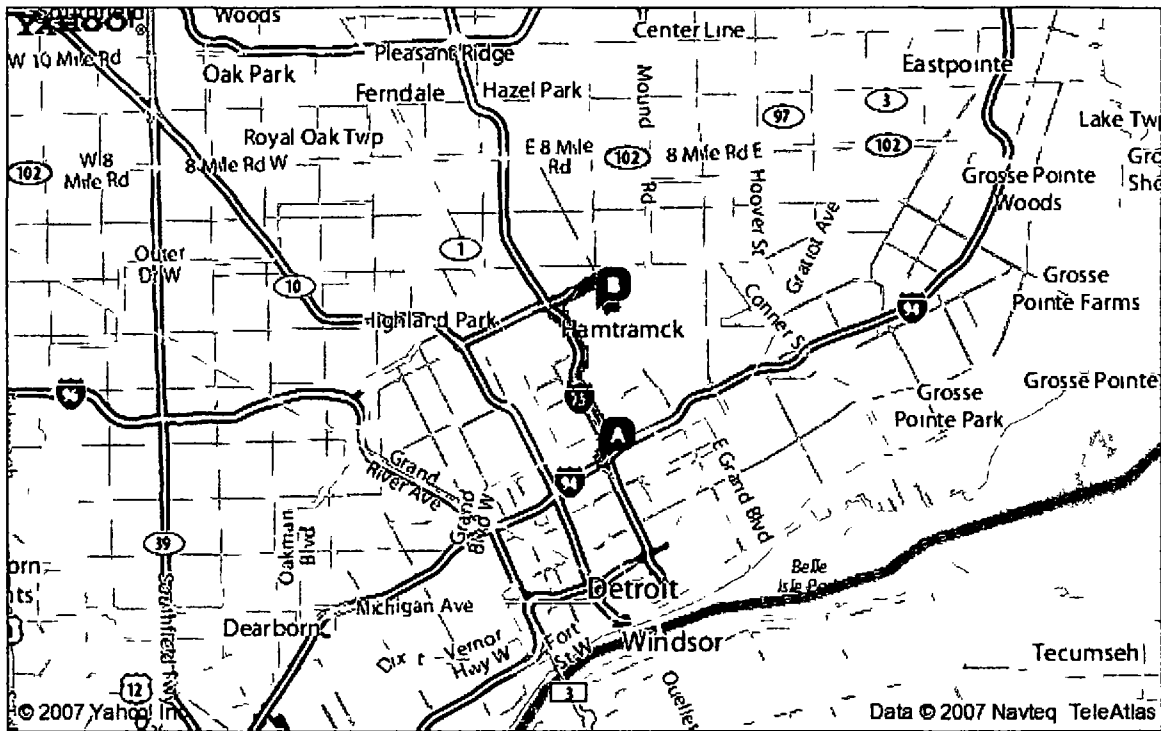
Distance

6051 HASTINGS ST DETROIT MI 48211 UNITED STATES

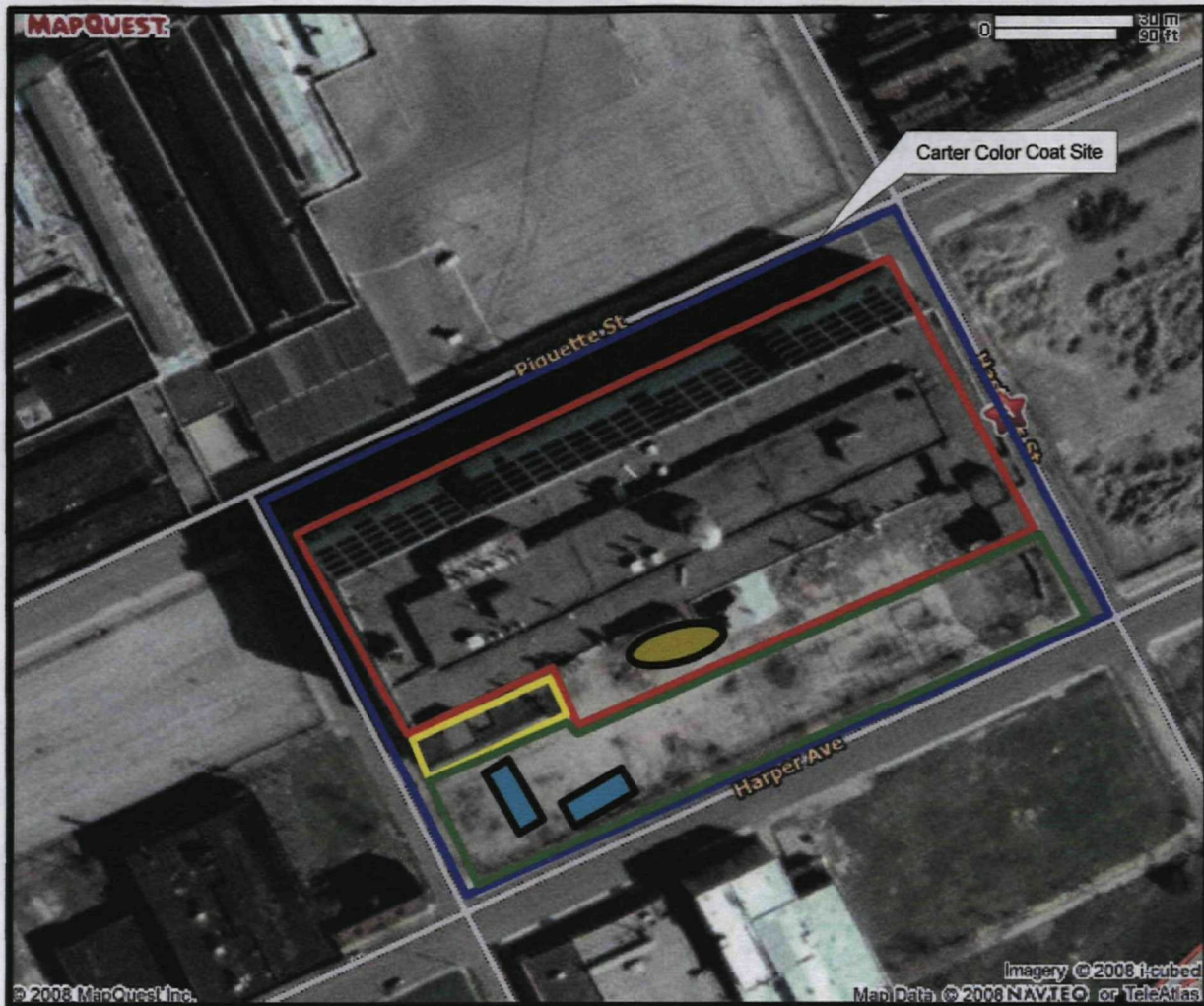
- 1 Start at **6051 HASTINGS ST DETROIT** going toward **HARPER AVE** go **< 0.1 mi**
- 2 Turn on **HARPER AVE** go **< 0.1 mi**
- 3 Bear on **MANSUR ST** go **< 0.1 mi**
- 4 Turn on **PIQUETTE ST** go **0.2 mi**
- 5 Turn on **RUSSELL ST** go **0.3 mi**
- 6 Continue on **CHRYSLER DR** go **0.3 mi**
- 7 Take ramp onto **I 75 N** go **2.1 mi**
- 8 Take exit **#56A/DAVISON FWY EAST** onto **M-8 E** go **1.0 mi**
- 9 Continue on **DAVISON ST E** go **0.2 mi**
- 10 Turn on **CONANT ST** go **0.5 mi**
- 11 Turn on **CARPENTER ST** go **0.3 mi**
- 12 Arrive at **3105 CARPENTER ST DETROIT** on the

3105 CARPENTER ST DETROIT MI 48212 UNITED STATES

Distance 4.9 miles Time 11 mins



When using any driving directions or map it's a good idea to do a reality check and make sure the road still exists watch out for construction and follow all traffic safety precautions This is only to be used as an aid in planning



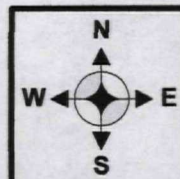
- Site Boundary
- Hot Zone
- Contaminate Reduction Zone
- Support Zone
- Site Trailers
- Wood Block Stockpile



Carter Color Coat
Removal Action
Detroit, Wayne County, Michigan
TDD No.: S05-0808-003

Safety Zone Map

STN
Environmental
service disabled veteran owned small business





- Site Boundary
- Hot Zone
- Contaminate Reduction Zone
- Support Zone
- Site Trailers
- Wood Block Stockpile



Carter Color Coat
Removal Action
Detroit, Wayne County, Michigan
TDD No.: S05-0808-003

Safety Zone Map

STN
Environmental
service disabled veteran owned small business

